

IESO York Region

# Non-Wires Alternatives Demonstration Project

2021/2022



## Join us as we shape Canada's **first ever** local electricity market

We are designing and demonstrating the first local energy market in Canada — allowing the distributed energy resources of our residential and business and institutional customers to compete in providing local and wholesale level grid services while also coordinating with the provincial wholesale energy market.



Project Sponsor



Funding Partner



Delivery Partner

# Facilities with these energy assets or demand response capabilities could

earn up to **\$170,000 per MW\***



Thermal Resource



Battery Storage



Demand Response

Alectra is partnering with the IESO to deliver Year Two of the IESO York Region Non-Wires Alternatives Demonstration Project, Canada's first distribution-level local electricity market. Through the project we will procure customer distributed energy resources (DERs), including thermal resources, battery storage, and demand response resources to offer their capacity as energy or local reserve in order to help defer system need for traditional wires infrastructure.

The Demonstration allows commercial and industrial facilities to leverage on-site energy resources to earn revenue while helping power local communities. Participants receive a monthly payment for making their capacity available in the Commitment Period plus payments for delivering or reducing energy and, if applicable, for providing local reserve. Facilities can receive potential earnings of up to \$170,000 per MW\* for the duration of the Commitment Period (May 1 to October 31, 2022).

<b>Initial Registration Period</b> (4 weeks)	Register your business or institution, as a direct customer or aggregator, and the DER(s) available for participation. You must also indicate whether the DER(s) are reserve-capable (e.g. able to respond to dispatch instructions within 30 minutes).
<b>Local Capacity Auction</b> (Two days)	Tell us the DER capacity you are able to provide, if you intend to provide local reserve, and what your offer price is. We will then run the Local Capacity Auction and offer a contract to each DER that clears the auction.
<b>Forward Period</b> (5 Months)	Confirm acceptance of your contract and provide supplemental information on each of your participating DERs.
<b>Commitment Period, Local Energy Auction and Local Reserve Auction</b> (6 months)	Submit energy bids/offers and reserve offers, if applicable, for each of your contracted DER(s). Be available to reduce or deliver energy upon activation or provide local reserve services upon deployment.  During the Commitment Period (May - Oct 2022), your DER(s) may be called upon up to a maximum of 10 times, between 12PM to 9PM (EDT) on business days, with a maximum duration of 4 hours for each event.

Your participation will help us understand how local DERs can meet local, regional, and province-wide electricity needs.



Registration: **August 25 - September 22, 2021** [YRDemo.com](http://YRDemo.com)

To learn more: **1-844-210-2131** | [NWADemo@AlectraUtilities.com](mailto:NWADemo@AlectraUtilities.com) | [Alectra.com/NWA](http://Alectra.com/NWA)

\*Estimate based on last year's capacity price of \$0.64/kW-day and assumes the max energy price of \$2/kWh, for 5 activation events of 4 hours each, and 1 test activation during the Commitment Period (May 1 to Oct 31, 2021). The estimate also assumes 5 reserve events, 2 reserve deployment events and 1 reserve test deployment. This estimate is for informational purposes and the earnings in the demonstration will depend on the results of the auctions and the performance of the DERs.